

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031023\  
 Data File : VN076926.D  
 Acq On : 10 Mar 2023 15:51  
 Operator : JC\MD  
 Sample : VN0310MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0310MBL01

Quant Time: Mar 10 16:50:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 408495   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.107  | 114  | 666092   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 588940   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 249021   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 277964   | 45.599   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.200% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 208267   | 46.915   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.820% |
| 50) Toluene-d8              | 10.572 | 98    | 789856   | 48.277   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.560% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 280313   | 46.841   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.680% |

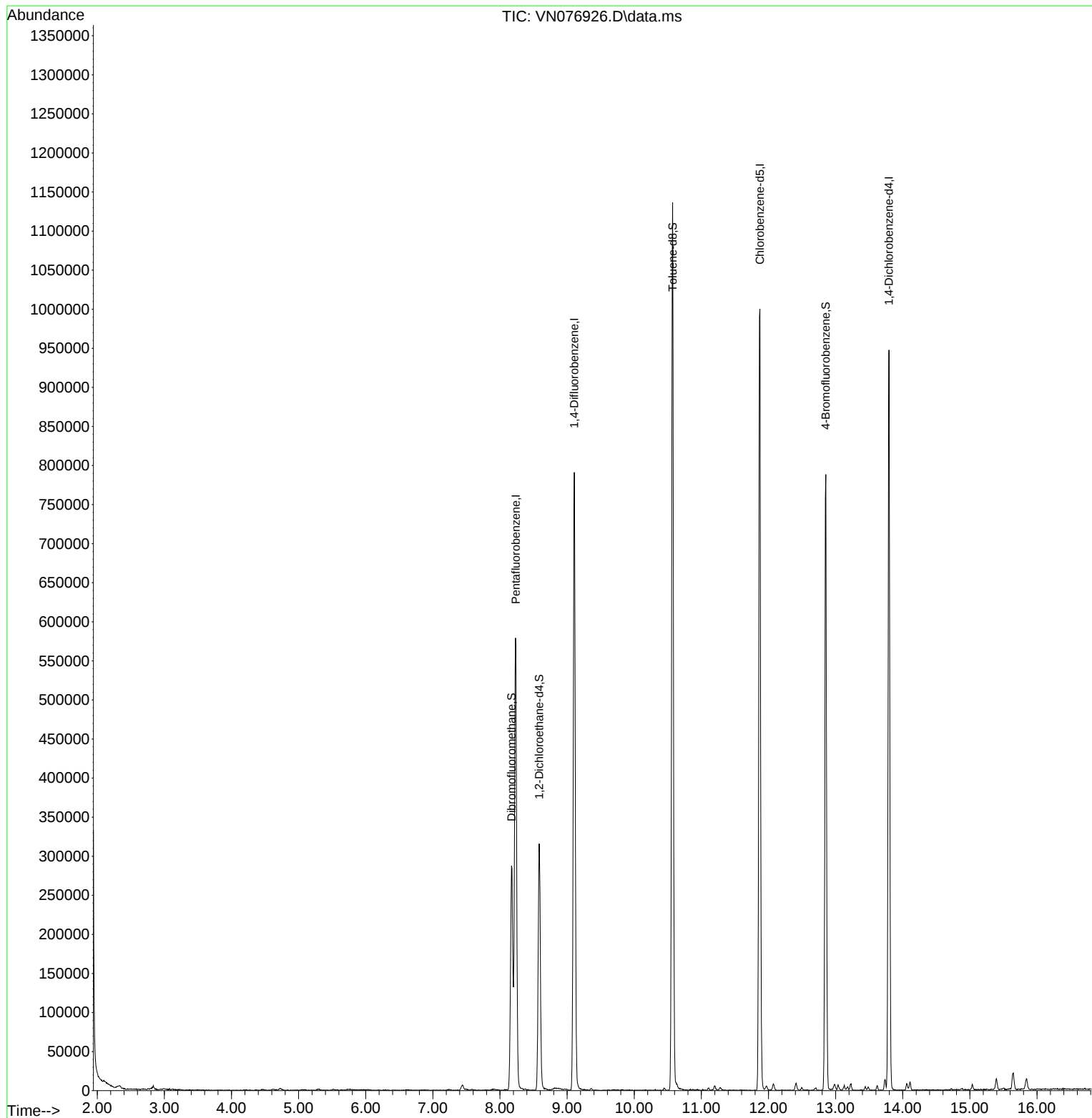
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

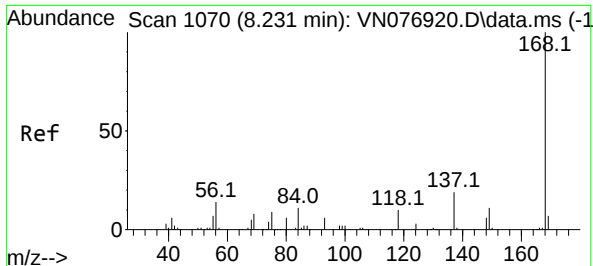
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0310MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0310MBL01

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Quant Title : SW846 8260  
QLast Update : Fri Mar 10 13:47:39 2023  
Response via : Initial Calibration

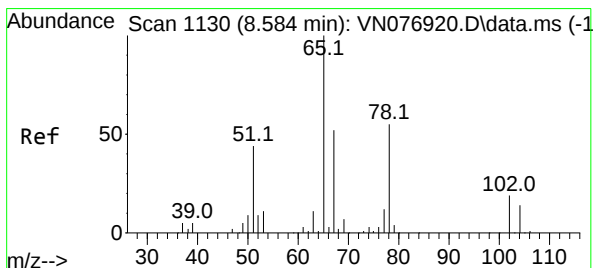
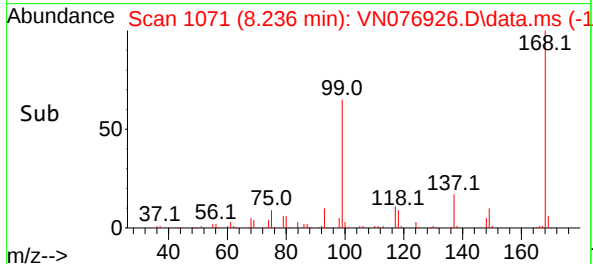
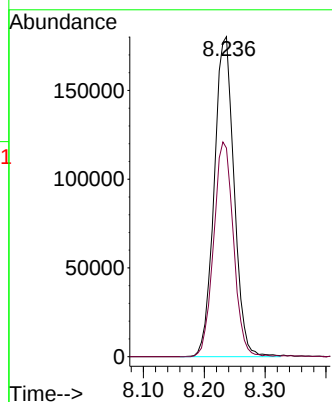
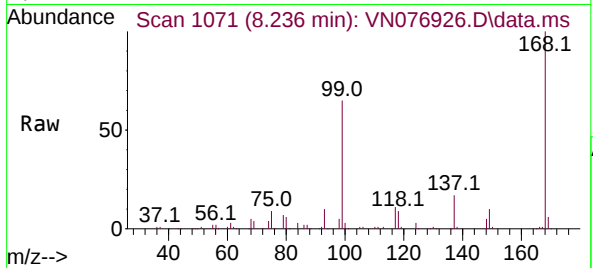




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1107  
Delta R.T. 0.005 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

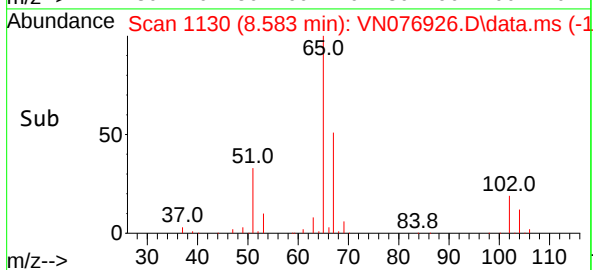
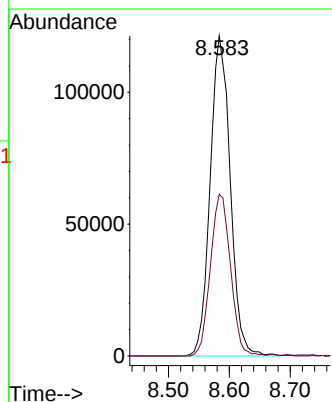
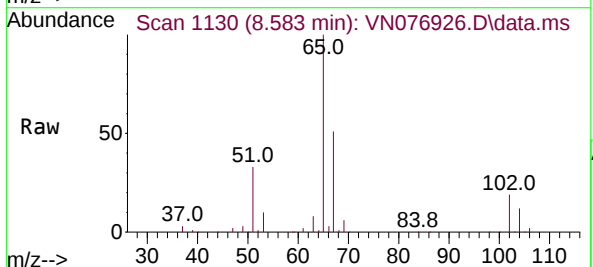
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0310MBL01

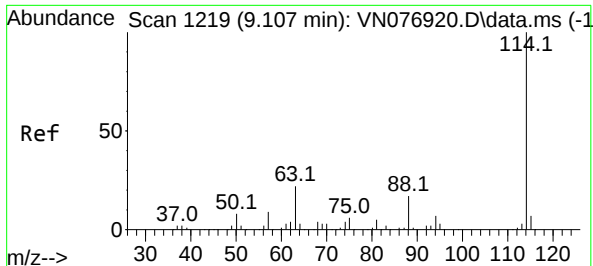
Tgt Ion:168 Resp: 408495  
Ion Ratio Lower Upper  
168 100  
99 65.2 48.6 73.0



#33  
1,2-Dichloroethane-d4  
Concen: 45.599 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

Tgt Ion: 65 Resp: 277964  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076926.D

Acq: 10 Mar 2023 15:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0310MBL01

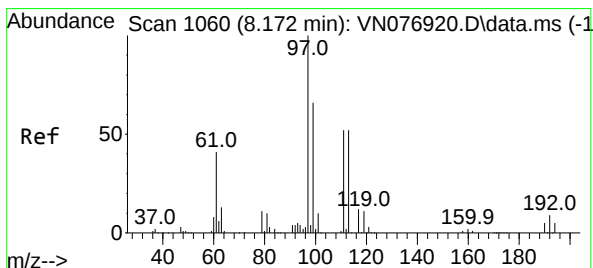
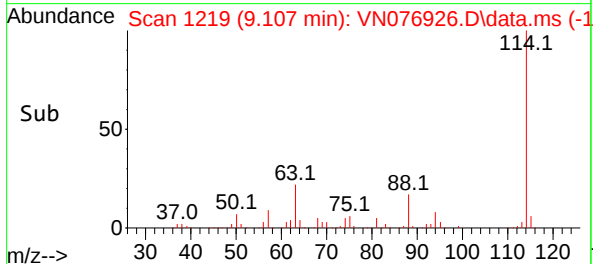
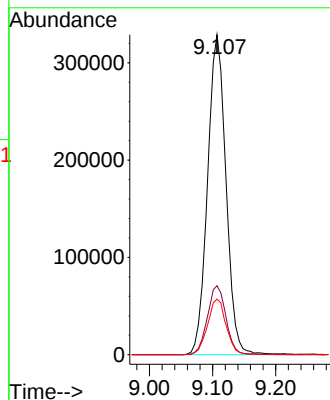
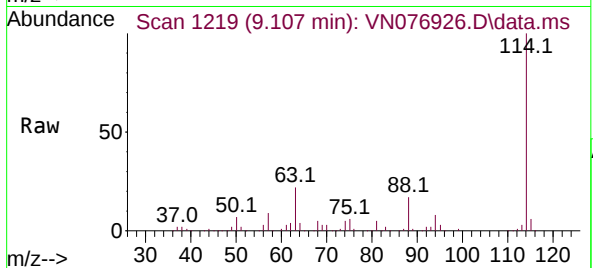
Tgt Ion:114 Resp: 666092

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.6

88 17.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.915 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076926.D

Acq: 10 Mar 2023 15:51

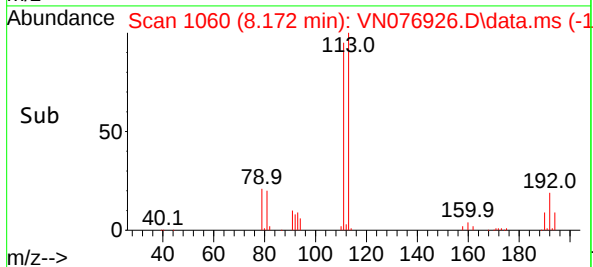
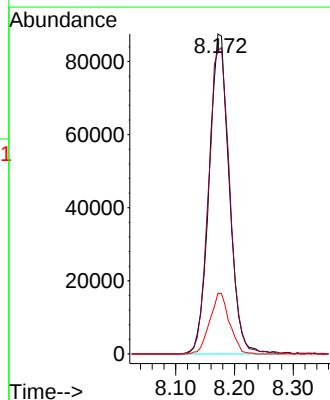
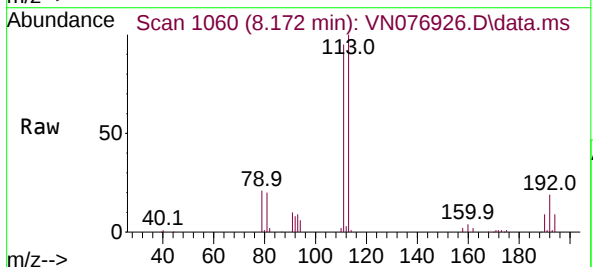
Tgt Ion:113 Resp: 208267

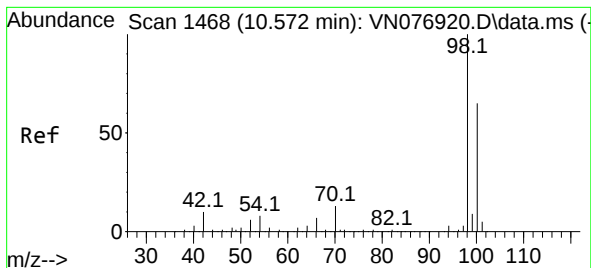
Ion Ratio Lower Upper

113 100

111 100.5 81.8 122.8

192 18.5 13.9 20.9

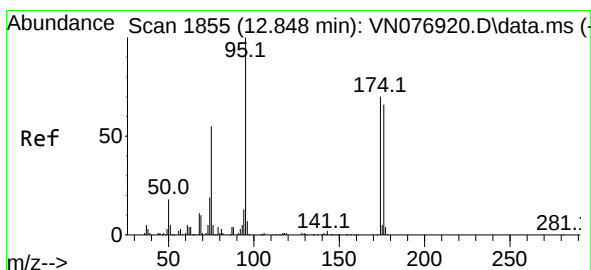
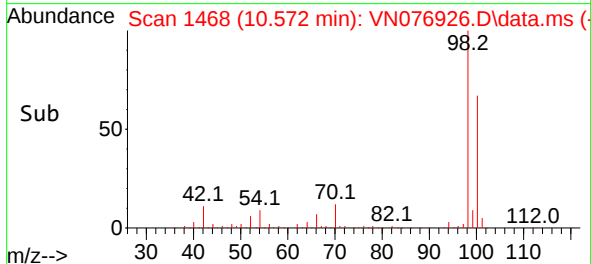
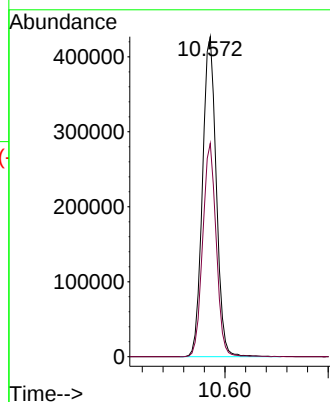
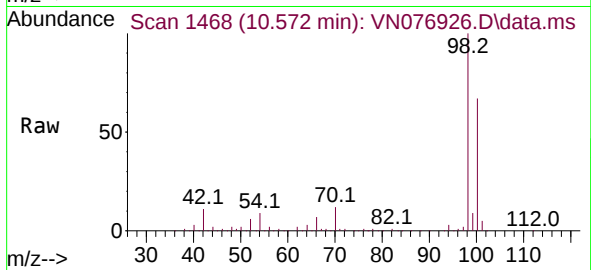




#50  
Toluene-d8  
Concen: 48.277 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

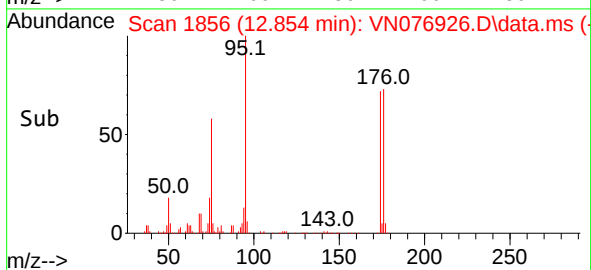
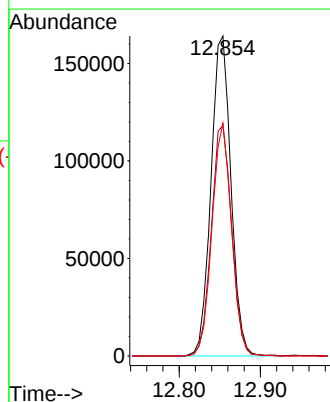
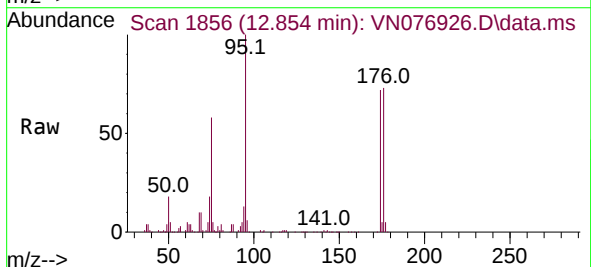
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0310MBL01

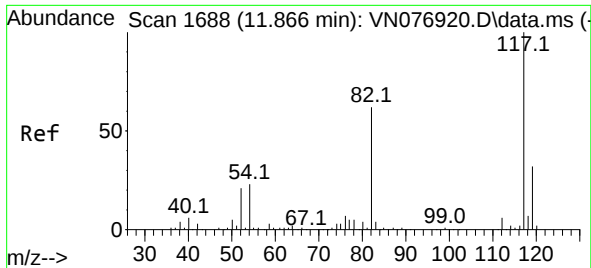
Tgt Ion: 98 Resp: 789856  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.841 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

Tgt Ion: 95 Resp: 280313  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 162.4  
176 70.9 0.0 157.4

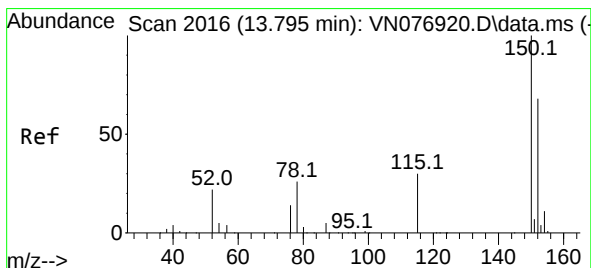
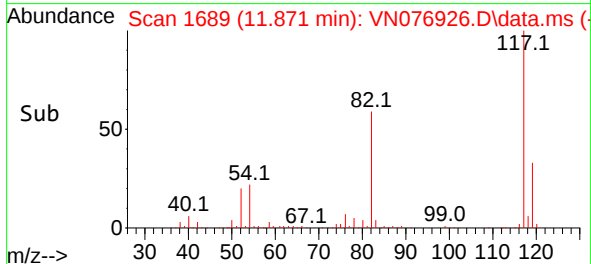
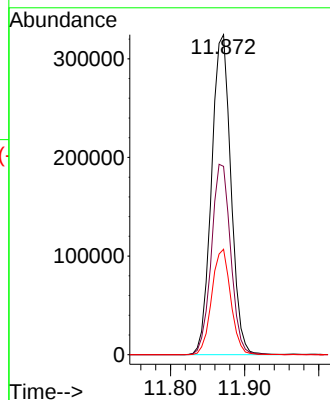
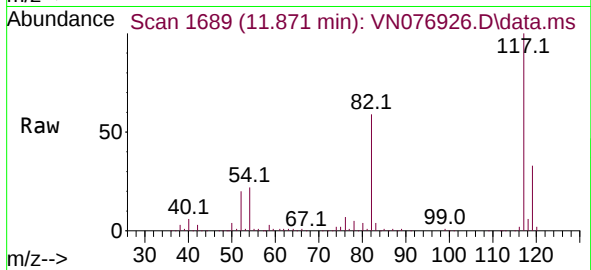




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0310MBL01

Tgt Ion:117 Resp: 588940  
Ion Ratio Lower Upper  
117 100  
82 58.9 43.5 65.3  
119 32.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN076926.D  
Acq: 10 Mar 2023 15:51

Tgt Ion:152 Resp: 249021  
Ion Ratio Lower Upper  
152 100  
115 65.0 30.3 90.9  
150 154.8 0.0 353.6

